

Research News

US companies gain from SBIR funding

COMPOUND semiconductor companies feature prominently in the 103 research proposals selected by NASA for Phase II contracts under its Small Business Innovation Research Program (SBIR). Phase II continues development of the most promising Phase I projects. SBIR contractors submitted 319 proposals. The selected projects have a total value of US\$62 million and will be conducted by 90 firms.

Recipients and their projects include: Quan-

tum Devices (Barneveld, WI), LED-based system to accelerate wound healing; Q-Peak (Bedford, MA), laser design; Coherent Technologies (Lafayette, CO), laser diodes for spaceborne sensors; Virginia Millimeter Wave (Charlottesville, VA), sub-mm-wave receivers; TRS Ceramics (State College, PA), single crystal piezoelectrics; Avyd Devices (Costa Mesa, CA), improved CdZnTe crystal growth for gamma ray detection; Spire Corp (Bedford, MA), optical cavity photodiodes.

SiGe News

TEMIC signs SiGe agreements

TEMIC Semiconductors (Heilbronn, Germany) has signed separate development agreements with two US GaAs device manufacturers, ANADIGICS and M/A-COM, relating to SiGe technology.

TEMIC has agreed to share information with ANADIGICS about SiGe process technology and RFIC design, while its M/A-COM alliance will see it jointly design and manufacture SiGe products for the telecommunications market.

A wholly owned subsidiary of Atmel Corp,

TEMIC has been intensively researching into SiGe for several years. In 1998, the company introduced the world's first SiGe RF DECT chip set, and this year it introduced the first SiGe power amplifier for GSM telephones.

The company operates a 6" SiGe wafer fab facility with foundry services in Heilbronn, and has been shipping SiGe products in high volume since the beginning of 1999.

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